

# Zheng Dou

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,126  
citations

687363

13  
h-index

642732

23  
g-index

60  
all docs

60  
docs citations

60  
times ranked

853  
citing authors

#	ARTICLE	IF	CITATIONS
1	Relay Selection and Secure Connectivity Analysis in Energy Harvesting Multi-Hop D2D Networks. IEEE Communications Letters, 2022, 26, 1245-1248.	4.1	4
2	Cognitive decision engine based on binary particles swarm optimization with non-linear decreasing inertia weight. Concurrency Computation Practice and Experience, 2021, 33, e4975.	2.2	0
3	Contour Stella Image and Deep Learning for Signal Recognition in the Physical Layer. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 34-46.	7.9	163
4	A Relay Selection Algorithm in Energy Harvesting Ad-hoc Networks with Interference Constraints. , 2021, , .		1
5	Communication Protocol Classification Based on LSTM and DBN. IEEE Access, 2020, 8, 91818-91828.	4.2	9
6	Pilot Decontamination Using Asynchronous Fractional Pilot Scheduling in Massive MIMO Systems. Sensors, 2020, 20, 6213.	3.8	19
7	Threats of Adversarial Attacks in DNN-Based Modulation Recognition. , 2020, , .		58
8	Prediction of V2V channel quality under double-Rayleigh fading channels. , 2020, , .		2
9	Research on RF Fingerprint Feature Selection Method. , 2020, , .		1
10	Channel State Discrimination Method Based on Multi-Structure Color Difference Histogram. IEEE Access, 2020, 8, 28782-28798.	4.2	0
11	Tensor Communication Waveform Design With Semi-Blind Receiver in the MIMO System. IEEE Transactions on Vehicular Technology, 2020, 69, 1727-1740.	6.3	6
12	An Improved Neural Network Pruning Technology for Automatic Modulation Classification in Edge Devices. IEEE Transactions on Vehicular Technology, 2020, 69, 5703-5706.	6.3	133
13	A Stable Modulation Classification Method in Dynamic Environments Using Improved Genetic Algorithm. , 2020, , .		0
14	A New Distributed Dynamic Spectrum Access Model Based on DQN. , 2020, , .		5
15	Distortion-Constraint-Based Group Sparse Channel Estimation Under $\alpha$ -Stable Noise. IEEE Access, 2019, 7, 21392-21399.	4.2	2
16	An Adaptive Resource Allocation Model With Anti-Jamming in IoT Network. IEEE Access, 2019, 7, 93250-93258.	4.2	27
17	Time-Related Network Intrusion Detection Model: A Deep Learning Method. , 2019, , .		22
18	Signal Modulation Classification Based on Deep Belief Network. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	Dynamic Channel Allocation for Multi-UAVs: A Deep Reinforcement Learning Approach. , 2019, , .		8
20	Performance Analysis of Overlapping Space-Based ADS-B Signal Separation Based on FastICA. , 2019, , .		8
21	Monitoring and Identification of WiFi Devices for Internet of Things Security. , 2019, , .		2
22	Wavelet transform and cyclic cumulant based modulation classification in wireless network. International Journal of Distributed Sensor Networks, 2019, 15, 155014771989545.	2.2	2
23	Image super-resolution via two stage coupled dictionary learning. Multimedia Tools and Applications, 2019, 78, 28453-28460.	3.9	6
24	The individual identification method of wireless device based on dimensionality reduction and machine learning. Journal of Supercomputing, 2019, 75, 3010-3027.	3.6	126
25	A Novel Framework for Wireless Digital Communication Signals via a Tensor Perspective. Wireless Personal Communications, 2018, 99, 509-537.	2.7	2
26	Dynamic threshold-setting for RF-powered cognitive radio networks in non-Gaussian noise. Physical Communication, 2018, 27, 99-105.	2.1	25
27	A New Method of Cognitive Signal Recognition Based on Hybrid Information Entropy and D-S Evidence Theory. Mobile Networks and Applications, 2018, 23, 677-685.	3.3	43
28	Multisensor Fault Diagnosis Modeling Based on the Evidence Theory. IEEE Transactions on Reliability, 2018, 67, 513-521.	4.6	109
29	Sparse media image restoration based on collaborative low rank representation. Multimedia Tools and Applications, 2018, 77, 10051-10062.	3.9	0
30	A Novel Digital-Analog Integrated Communication System Based on the PARATUCK-2 Model. , 2018, , .		1
31	Improving signal modulation recognition using principal component analysis and compressive sensing. , 2018, , .		0
32	Anomaly detection of spectrum in wireless communication via deep auto-encoders. Journal of Supercomputing, 2017, 73, 3161-3178.	3.6	56
33	FRACTAL COMPLEXITY-BASED FEATURE EXTRACTION ALGORITHM OF COMMUNICATION SIGNALS. Fractals, 2017, 25, 1740008.	3.7	28
34	Digital beamforming based on FPGA for phased array radar. , 2017, , .		5
35	The application of deep learning in communication signal modulation recognition. , 2017, , .		31
36	Research on SNR prediction technology based on reservoir computing in wireless transmission of satellite communication system. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
37	Implementation of chicken swarm optimization (CSO) with partial transmit sequences for the reduction of PAPR in OFDM system. , 2017, , .		1
38	A Novel Dynamic Spectrum Access Framework Based on Reinforcement Learning for Cognitive Radio Sensor Networks. Sensors, 2016, 16, 1675.	3.8	78
39	Application of FFT parallel code phase search algorithm in GNSS software. , 2016, , .		3
40	Analysis of channel characteristics and channel model for satellite communication system. , 2016, , .		8
41	The comparison of several kinds of time-frequency analysis methods. , 2016, , .		2
42	Low complexity and narrow transition band filter banks for software defined radio applications. , 2016, , .		0
43	A construction method of terminated LDPC convolutional codes. , 2016, , .		0
44	A modified dynamic spectrum access method to enhance spectrum efficiency. , 2016, , .		0
45	A secret communication system via SD-SMSE. , 2016, , .		0
46	An improved successive cancellation decoder for polar codes. , 2016, , .		2
47	An optimal design of time division multiple access protocol for data link network. , 2016, , .		2
48	Design of VHF channel simulator based on SDR platform. , 2016, , .		1
49	Simulation research and implementation of optimal jamming effect on MSK signal. , 2016, , .		1
50	Framework on tensor modulated tensor encoded. , 2016, , .		2
51	Automatic recognition of communication signal modulation based on neural network. , 2016, , .		9
52	A GNSS integer ambiguity resolution method based on ambiguity domain search strategy. , 2016, , .		0
53	Small particle reconstruction method via SCA. , 2016, , .		0
54	Optimization design of communication-radar integrated waveform generation system. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
55	MIMO waveform design using Spectrally Modulated Spectrally Encoded (SMSE) framework. , 2016, , .		3
56	A new combination method for multisensor conflict information. Journal of Supercomputing, 2016, 72, 2874-2890.	3.6	60
57	Application of D-S Evidence Fusion Method in the Fault Detection of Temperature Sensor. Mathematical Problems in Engineering, 2014, 2014, 1-6.	1.1	18
58	The Optimization Model of Target Recognition Based on Wireless Sensor Network. International Journal of Distributed Sensor Networks, 2014, 10, 931235.	2.2	6
59	Single-Event Burnout Hardening of Power UMOSFETs With Integrated Schottky Diode. IEEE Transactions on Electron Devices, 2014, 61, 1464-1469.	3.0	13
60	Way of operation to improve performance for advanced split-gate resurf stepped oxide UMOSFET. IET Power Electronics, 2014, 7, 2964-2968.	2.1	8